having any claim to the said timber are required to present their claims in writing to the undersigned within one month from the date of first publication of the Notification in the Offical Gazette, failing which the property shall lapse to Government under Section 42 of the said Act.

Sl. No.	Name of Range	Place of Seizure	Date of Seizure	Kind	No.	C.ft.	Name of the person in whose custody the timber is kept
1.	Tiptur Range	Siddamana Vajra, District Forest.	30th July 1950.	Jalari Pole L. (15-9 G. 3-0).	1	8-9	Sri Lakashmegowda of Bavanahalli. Chiknaikanhally Hobli.

2346 M. W. PALEKANDA, *D.F.O.*

HASSAN FOREST DIVISION.

Notification dated 2nd July 1952.

It is notified for the general information of the public that under section 40 of the Mysore Forest Act, the undermentioned kinds and quantities of the timber found unclaimed are lying behind the Checking Station, Belur. Those having any claim of the said timber may present a written statement of the claims of the said timber within one month from the date of publication of the notification in the Gazette, failing which the ownership of the said timber shall vest in the Government free from all encumbrances. No claims will be considered after the expiry of one month referred to above.

ocality	Kind and quantity		Custody
Belur Checking Station.	Honne Nandi	4=37·8 cft.) 3=25·7 cft.)	Lying behind the Checking station, Belur.

2654 G. M. SHANKARIAH, *D.F.O.*

UNIVERSITY OF MYSORE.

Notification dated 1st—2nd July 1952.

SUPPLEMENTAL EXAMINATIONS.

No. Ex. 2-311—52-53. The following University Examinations will be held from Monday, the 15th September 1952 on the basis of one paper a day excepting on Sundays and Scheduled Holidays. The detailed time-tables will be published in the *Mysore Gazette*, in due course.

1 Intermediate in Arts
2 Intermediate in Science
3 Intermediate in Commerce
4 B.A.
5 B.Sc.
6 B.A. Hons. Preliminary
7 B.Sc. Hons. Preliminary
8 B. Com.
9 Engineering
10 Law
11 B.Sc. Textiles (Final Examination only)
12 B.Sc. Agriculture (Final Examination only).

Applications must be sent through the Heads of Colleges concerned. The last date for receipt of applications by Heads of Colleges is *Monday, the 21st July* 1952.

Late applications will be received with a penal fee of Re. 1 per day subject to a limit of Rs. 5 up to *7th August* 1952.

Application forms may be obtained from the Heads of Colleges after *Monday, the 7th July* 1952. Forms can be had by post by sending *two-anna postal stamp* or a self-addressed postal cover to the Heads of Colleges.

442

AMENDMENT No. 116.

Notification No. G. 4-1070—51-52, dated 1st July 1952.

AMENDMENT OF STATUTE 28 REGARDING CONSTITUTION OF FACULTIES.

Statute 28 (Page 19 of the University Calendar, Vol. I, for 1947–48).

(i) Change the present Statute 28 to 28 (ii).
(ii) Add the following para as Statute 28 (i) :—

The following shall be the Faculties in addition to those mentioned in Section 16 (i) of the Act (page 8 of the University Calendar, Vol. I, for 1947–48).

1. The Faculty of Education.
2. The Faculty of Commerce.
3. The Faculty of Law.

297

The Statute when amended will read as under :—

Constitution of Faculties.

28 (i). The following shall be the Faculties in addition to those mentioned in Section 16 (i) of the Act (page 8 of the University Calendar, Vol. I, for 1947–48) :—

1. The Faculty of Education,
2. The Faculty of Commerce,
3. The Faculty of Law.

(ii) The constitution of Faculties, including the assignment of members of the Academic Council and the appointment of teachers to Faculties, shall be made at the first meeting of the Academic Council after its constitution; and, in the case of a member appointed to the Academic Council at a subsequent date, the assignment to a Faculty shall be made at the meeting next after his becoming a member.

(Letter No. E. 2504, dated 6th June 1952, from the Secretary to Government, Education Department, Bangalore).

435

Notification No. Ex. 2-311—52-53, dated 1st July 1952.

Text-Books for September 1952 Examinations (to be held during Dasara Holidays).

(i) Intermediate Examination.

The Text-Books in English, Second and Selected Language for the *September* 1952 *Examinations* will be the same as those prescribed for the *March-April* 1952 *Examinations*.

(ii) B.A., B.Sc., B.A. (Hons.) Preliminary and B.Sc. (Hons.) Preliminary Examinations.

The Text-Books in languages including Optional Languages (Compulsory English, Compulsory Second Language, Optional English, Optional Kannada, Optional Sanskrit, Optional Persian, Optional Urdu, Optional Arabic and Optional Hindi) for *September* 1952 *Examinations* will be the same as those prescribed for *March–April* 1952 *Examinations*.

436

AMENDMENT No. 119.

Notification No. G4-1082—51-52, dated 3rd July 1952.

Revised syllabus in Botany for the Intermediate Examination in Science.

1. Living and non-living things and their main features; Organic and Inorganic substances. Plants and animals; differences and resemblances; similarity of vital functions, such as feeding, respiration, movement, response to stimuli and respiration.

2. The green leaf: its external and internal structure; photo-synthesis and other modes of nutrition; leaf form and internal structure as suited to carry on the above two functions. Adaptations to facilitate and check transpiration; leaf adjustments to light; photo-tropism. Arrangement of the leaves on the plant; struggle for light among plants. Climbing plants and epiphytes. General leaf forms. Stipules and their work. Modifications of leaves and stipules. Insectivorous plants.

3. Root: External form, internal structure; work of roots—absorption and fixation—root-cap, root-hairs; region of root-hairs, work of root-hairs; osmosis. Root pressure. Study of the soil; its structure and nature in relation to the water content. Origin of lateral roots; elongation and growth of roots in thickness. Different kinds of roots; modifications of roots; response of roots to gravity, light and water.

4. Stem: different kinds of stem; internal structure; work of the stem—supporting and conducting. Path of the sap current; intercellular spaces, lenticels; increase of stem in thickness; cork formation, sap wood and heart wood. Response of the stem to gravity and light. Stems of water plants, modifications of stems.

5. Flowers: Parts of a flower; functions of different parts; pollen grains; pollen tube ovule; egg cell; fertilisation. Seed formation; parts of a seed. Arrangements of the parts of flower; insect visitors; cross and self-pollination;

advantages of cross-pollination; adaptations for cross pollination, wind-pollination; and inconspicuous flowers. Inflorescences. Seeds; fruits: kinds of fruits; seed and fruit dispersa and its advantages; struggle for existence; survival of the fittest, variety, species; heredity and evolution.

6. Study of the following families:—Anonaceæ, Cruciferæ, Solanaceæ Malvaceæ, Leguminosæ, Myrtaceæ, Rubiaceæ, Compositæ, Apocynaceæ, Acanthaceæ, Labiatæ, Euphorbiaceæ, Liliaceæ, Amaryllidæ, Palmæ.

Some plant products: starch, oils, sugars, alkaloids, gums; resins, caoutchouc, fibres; the plants and the parts of the plant producing them.

Apex of the stem and root; meristem; cell structure; cell division; changes seen in the cell contents and the nature of the cell wall.

7. Structure, reproduction and the general features of the following:—

Chlamydomonas; a brief account of the valvocales origin of soma; division of labour; Ulothrix; Spirogyra; Fucus; Bacteria, Mucor, Cystopus; Yeast; Riccia; Moss; Adiantum, Lycopodium; Selaginella; Cycas (only external features). A typical flowering plant.

Practical work—Students are expected to examine and describe the external features of the plants. They should be able to prepare free-hand sections of the various parts of the plant and identify the preparations of the plant specimens coming under paras 5, 6 and 7. They should be able to refer plant specimens to the families they have studied. Special attention must be given to the class experimental demonstrations of the various physiological functions of the plant organs.

NOTE.—The course of study in Botany shall consist of three lectures per week of one hour each and a practical lesson of two hours per week.

BOOKS FOR STUDY.

1. Dutta, A. V.—A class Book of Botany.
2. Lowson and Sahni—A text-book of Botany: Revised Edition, 1951.
3. James, W.O.—Introduction to Biology.
4. Godwin, H.—Plant Biology.
5. Text-Book of Intermediate Botany by R. V. Narayanaswamy.
6. Intermediate Botany by Chaudhuri.

(Letter No. E. 2372, dated 3rd June 1952, from the Secretary to Government, Education Department, Bangalore.)

447

Amendment No. 120.

Notification No. G4-1082—51-52, dated 3rd July 1952.

Revised Syllabus in Botany for the B.Sc. Degree Course.

1. The main points of structure, life history, development and taxonomic relationships of the following groups in general and the genera in particular:—

Myxomycetes; Bacteria; Cyanophyceae; Oscillatoria; Nostoc; Rivularia, Scytonema; Diatoms; Chlorophyceae; Chlamydomonas; Pandorina, Eudorina, Volvox; Protococcus, Hydrodyctyon; Ulothrix, Oedogonium; Coleochaete; Cladophora; Vaucheria; Botrydium, Spirogyra; Zygnema and Desmids: Cosmarium and Closterium; Characeae: Chara. Phaeophyceae: Ectocarpus; Sargassum. Rhodophyceae: Batrachospermum; Polysiphonia. Fungi—Phycomycetes: Phytophthora: Mucor. Pilobolus; Saprolegnia, Cystopus. Ascomycetes: Saccharomycetes; Eurotium; Penicillium; Peziza, Zylaria. Basidiomycetes: Ustilago; Puccinia, Agarious; Lycoperdon. Lichens, Bryophytes—Riccia, Marchantia, Anthoceros, Moss. Pteridophytes—Lycopodium, Selaginella, Equisetum, Ophioglossum, Osmunda, Adiantum, Marselia. Gymnosperms—Cycas, Pinus.

2. The morphology and the development of the reproductive organs of Angiosperms.

3. The external morphology of the Angiosperms, and the general principles of classification and the distinguishing characters of the following families, as used in the flora of British India:—

Magnoliaceae, Anonanceae, Cruciferae, Capparidae, Malvaceae, Sterculiaceae, Tiliaceae, Geraniaceae, Rutaceae, Rhamnae, Sapindaceae, Anacardiaceae, Leguminosae, Rosaceae, Combretaceae, Myrtaceae, Cucurbitaceae, Umbelliferae, Rubiaceae, Compositae, Sapotaceae, Ayocynaceae, Ascleyiadaceae, Boraginae, Convolvulaceae, Solanaceae, Scrophulariaceae, Acanthaceae, Verbenaceae, Labiatae, Amarantaceae, Euphorbiaceae, Urticaceae, Orchidae, Scitaminae, Amaryllidae, Liliaceae, Palmae, Aroidae, Cyperaceae, Graminae.

278

4. Histology.—The structure of the cell and the nature of the cell-contents. Cell wall and its modifications. Modes of cell division. Origin, nature and development of plant tissues. Primary and secondary tissues and their distribution in the plant body.

5. Ecology—Origin of vegetation and plant succession. Ecological factors: Climatic, edaphic and biotic.

6. Physiology—The chemical composition of the plant body. Materials of plant food and their sources. The nature of the soil and the importance of its constituents and microorganisms. Movements of water and gases. Assimilation of carbon and nitorgen. Transportation and translocation of the assimilated products. Parasitism and other modes of nutrition. Respiration. The influence of light, heat and gravity. Growth movements and irritability in plants. Sexual reproduction and its significance. The phenomenon of crossfertilization. Vegetative reproduction.

Variation, heredity and Mendelism. Theories of evolution and origin of species.

Practical work.—Candidates are expected to make preparations illustrating the form and structure of any plant of the groups mentioned in the syllabus and describe it with sketches sufficient for its identification; to make dissections, with the simple microscope, of the floral parts of Angiosperms; to make drawings; to construct floral diagrams and refer the plants to their families; to describe in technical language plants belonging to any of the groups mentioned in the syllabus.

At the practical examination each candidate must submit his laboratory note books.

Note.—The course of study in Botany shall consist of three lectures per week of one hour each, and a practical lesson of three hours duration.

Books for Study.

1. Raber, O—Principles of Plant Physiology.
2. Eames and Macdaniels: An Introduction to Plant Anatomy.
3. Mclean: Practical Plant Ecology.
4. Leach, W.—Plant Ecology.
5. Mac Dougal—Plant Ecology.
6. A Text-book of Botany by Coulter, Barnes and Cowles.
7. Cryptogamic Botany, Vols. I and II by Smith.
8. Botany by Hill, Overholts and Popp.
9. Systematic Botany by R. J. Poole.
10. Systematic Botany by Swingle.
11. Text-book of Physiology by Shri Ranjan.

(Letter No. E. 2342, dated 31st May 1952, from the Secretary to Government, Education Department, Bangalore).

448

AMENDMENT NO. 121.

Notification No. G4-1093—51-52, dated 3rd July 1952.

Revised Syllabus for the B.Sc. Degree in Agriculture. Alterations in Syllabus.

I YEAR B.Sc. (AGRICULTURE).

I. Agricultural Engineering.

The following words appearing under 'Lift Irrigation' be deleted, as they are dealt with in the II Year Syllabus: "Centrifugal pumps, low and high lift pumps, air lift pumps etc."

II. Veterinary Science.

The word 'Dieting' appearing in line 2 of para 2 under practical be deleted.

III. Zoology.

The following syllabus be substituted for the existing one.

Introduction.—Meaning and relationship of Biology—Zoology and Botany. Characteristics of living organism—Animals and Plants: Factors of comparison